

FIG. 1

KpnI

81 GGTACCATAAATTACACATCTGCTTTTGAAAAAATATGATTTCAAGCTAGGATTACATTAGGTAGATTCAATTAATAAT
 191 AAAAATGTTTGCAATCAAATCGTACGTTGCTGTTTGTAATCTCTTAATAATAGCAATAATAAATAATGTTTGTAGTAAAGTATTATTGTGGATAATAAATAATTCGATACAA
 301 ATAATTGCTATAATGCAATTTTACGTATATAATTCATTAAACAGAGATTAAATATACTTTAAAGGCTATATAGTTTAATAATAAATGACTTTTAAAAAGAGGGAATAAA
 411 ATGAATATGAAGAAAAAAGAAACACGCAATTCGGAAAAAATCGATTGGCGTTCAGTGTGTAGGTACGTTAATCGGTTTTCGACTACTCAGCAGTAAAGAAGC
 37 M N M K K K E K H A I R K K S I G V A S V L V G T L I G F G L L S S K E A
 521 AGATGCAAGTCAAATAGTGTACGCAATCTGATAGCGCAAGTAACGAAAGCAAAAGTAATGATTCAGTAGCGTTAGTGTGCTGCACCTAAACACAGACACAAACCTGA
 74 D A S E N S V T Q S D S A S N E S K S N D S S S V S A A P K T D D T N V S
 631 GTGATACTAAACATCGTCAAACACTAATAATGGCGGAACGAGTGTGGCGGAAAATCCAGCACAAACGGAACGACACAATCATCATCAACAAATGCAACTACGGAAGAA
 110 D T K T S S N T N N G E T S V A Q N P A Q Q E T T Q S S S T N A T T E E
 741 ACGCCGGTAACCTGGTGAAGCTACTACTACGACAACGAATCAAGCTAATACACCGGCAACAACCTCAATCAAGCAATACAAATGCGGAGGAATTACTGAATCAAACAAGTAA
 147 T P V T G E A T T T T N Q A N T P A T T Q S S N T N A E E L V N Q T S N
 851 TGAAACGACTTTTAATGATACTAATACAGTATCATCTGTAATTCACCTCAAAAATTCACAAAATCCGGAATAATGTTCAACAACGCAAGATACTTCAACTGAAGCAACAC
 184 E T T F N D T N T V S S V N S P Q N S T N A E N V S T T Q D T S T E A T P
 961 CTTCAACAATGAATCAGCTCCACAGACTACAGATGCAAGTAATAAAGATGTAGTTAATCAACGCGTTAATACAAGTGGCCTAGAAATGAGAGCATTAGTTTCGCGGCA
 220 S N N E S A P Q S T D A S N K D V V N G A V N T S A P R M R A F S L A A
 1071 GTAGCTGCAGATGCACCGCAGCTGGCACAGATATTACGAATCAGTTGACCAATGTGACAGTTGGTATTGACTCTGTGACGACTGTGTATCCGCCACCAAGCAGGTTATGT
 257 V A A D A P A A G T D I T N Q L T N V T V G I D S G T T V Y P H Q A G Y V

PSTI

FIG. 2A-1

CAAACTGAATTATGGTTTTCAGTGCCTAATTCCTGCTGTTAAAGGTGACACATTCAAATAAAGTACCTAAAGAACTTAATGGTGAACCTCAACTGCTAAAG 1181
 K L N Y G F S V P N S A V K G D T F K I T V P K E L N L N G V T S T A K V 294

 TGGCACC AATTATGGCTGGAGATCAAGTATTGGCAATGGTGTAAATCGATAGTGGTAATGTTATTATACATTTACAGACTATGTAAATACTAAAGATGATGTA AAA 1291
 P P I M A G D Q V L A N G V I D S D G N V I Y T F T D Y V N T K D D V K 330

 GCAACTTGACCATGCCCGCTATATTGACCCCTGAATAATGTTAAAAGACAGGTAATGTGACATTTGGCTACTGGCATAGGTAGTACACAGCAACAAACACAGTATTAGT 1401
 A T L T M P A Y I D P E N V K K T G N V T L A T G I G S T T A N K T V L V 367

 AGATTATGAAAAATATGGTAAGTTTATAACTTATCTATTAAAGGTACAATTGACCAATTCGATAAAACAATAATACGTATCGTCAGACAAATTTATGTCAATCCAAGTG 1511
 D Y E K Y G K F Y N L S I K G T I D Q I D K T N N T Y R Q T I Y V N P S G 404

 GAGATAACGTTATTGCGCCGGTTTTAACAGGTAATTTAAACCAATACGGATAGTAATGCATTAAATAGATCAGCAAAATACAAGTATTAAAGTATATAAGTAGATAAT 1621
 D N V I A P V L T G N L K P N T D S N A L I D Q Q N T S I K V Y K V D N 440

 GCAGCTGATTATCTGAAAGTTACITTTGTAATCCAGAAACTTTGAGGATGTCACATAATAGTGTGAATATTACATTTCCAAATCCAAATCAATATAAAGTAGAGTTAA 1731
 A A D L S E S Y F V N P E N F E D V T N S V N I T F P N P N Q Y K V E F N 477

 TACGCCCTGATGATCAATTACAACACCGTATATAGTATTGTTAATGGTCATATTGATCCGAATAGCAAAAGGTGATTAGCTTACGTTCAACTTTATATGGGTATAACT 1841
 T P D D Q I T T P Y I V V V N G H I D P N S K G D L A L R S T L Y G Y N S 514

 CGAATATAATTTGGCGCTCTATGTCATGGGACAACGAAGTAGCATTTAATAACGGATCAGGTTCTGGTGACGGTATCGATAAACCAAGTTGTTCTCTGAACAACCTGATCAG 1951
 N I I W R S M S W D N E V A F N N G S G S G D G I D K P V V P E Q P D E 550

 CCTGGTCAATTTGAACCAATTCAGAGGATTCAGATTCTGACCCAGGTTCAGATTCTGGCAGCGATTCTAATTCAGATAGCGGTTACAGATTCCGGGTAGTGATTCATC 2061
 P G E I E P I P E D S D S D P G S D S G S D S N S D S G S D S G S D S T S 587

R→

FIG. 2A-2

[illegible]

Σ

ACTAATGCTTCTAATAAAATGAGGCTAAAGATAGTAAAGAACCATTTACAGATACAGGTTCTGAAGATGAACCAAAATACGTCACATAATTTGGGGATTATTAGCATCAAT 3051
 T N A S N K N E A K D S K E P L P D T G S E D E A N T S L I W G L L A S I 917
 AGGTTCAATTACTTTTCAGAAAGAAAAAAGAAATAAAGATAAGAAATAAGTAATAATCATATTAATAATTAATCATATGATTCATGAAGAAGCCACCTTAAAAGGTGCT 3161
 G S L L L F R R K K E N K D K K > 933
 TCTTTTACTTGGATTTCCAAATATATTTGTTGAATATAATTAATAATTATTCATCAACAGTTAATTATTTTAAAAAGGTAGATGTTATAATAATTTGGCTTGGCGAAAA 3271
 AATAGGCTGAAGGTAGGTTGTTAATTAGGAAAATTAAGGAGAAAAATACAGTTGAAAATAAAATTTGCTAGTTTATCATTTGGGAGCATTTATGTCGTATCACAATTTGGG 3381
 AAAGTAATCGTCGGAGTGCAGTGGTTTCTGGGGAGAAATCCATATGTATCTGTAGTCCTTGAACTGACTAATAATAAAAAATAAAATCTAGAACAGTAGAAGAGTATAAG 3491
 HindIII
 AAAAGCTT

FIG. 2A-4

005007 24967960

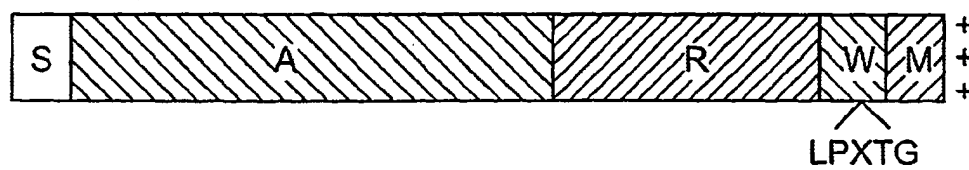


FIG. 2B

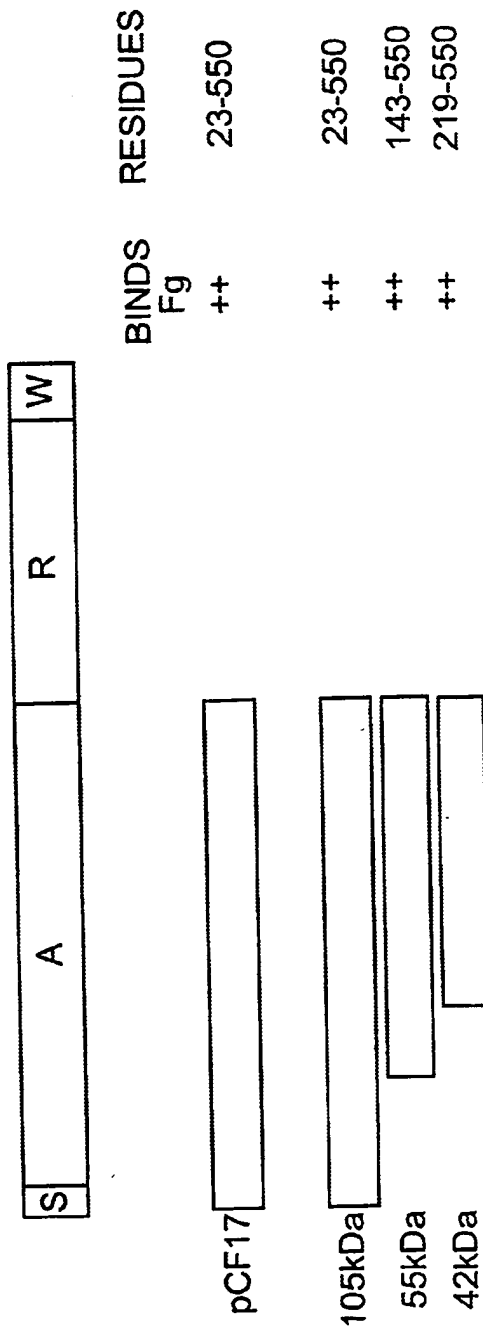


FIG. 3

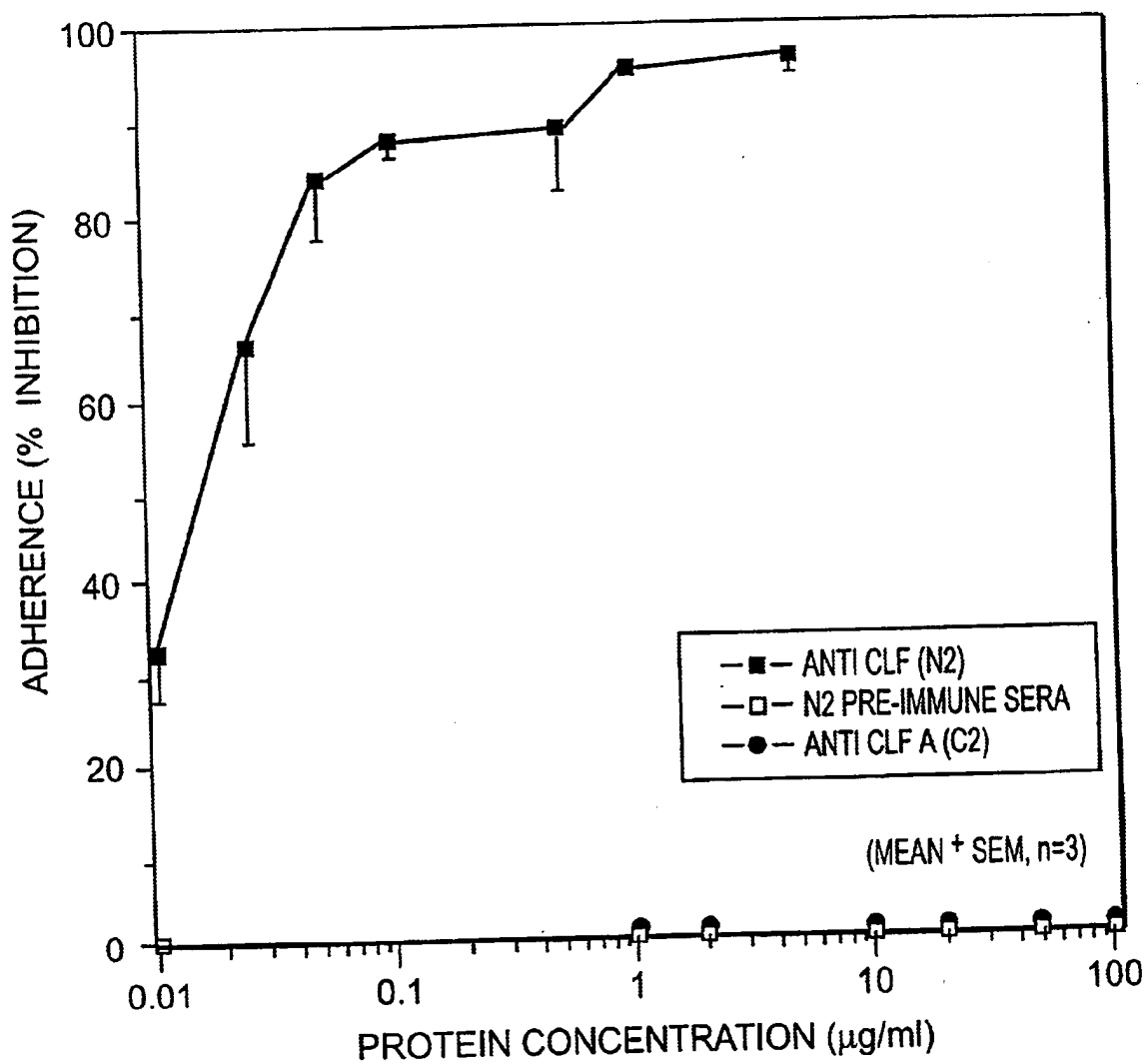


FIG. 4



	BINDS FG	INHIBITS CLUMPING	INHIBIT ADHERENCE	BLOCKS AB	RESIDUES	NUMBER OF RESIDUES
pCF24	++	++	++	++	23-550	527
pCF25	-	-	-	-	546-933	387
pCF27	-	-	-	-	420-550	130
pCF28	-	-	-	+ -	23-424	401
pCF29	-	-	-	-	23-308	285
pCF30	-	-	-	++	332-550	218
pCF31	++	++	++	++	221-550	329

FIG. 5

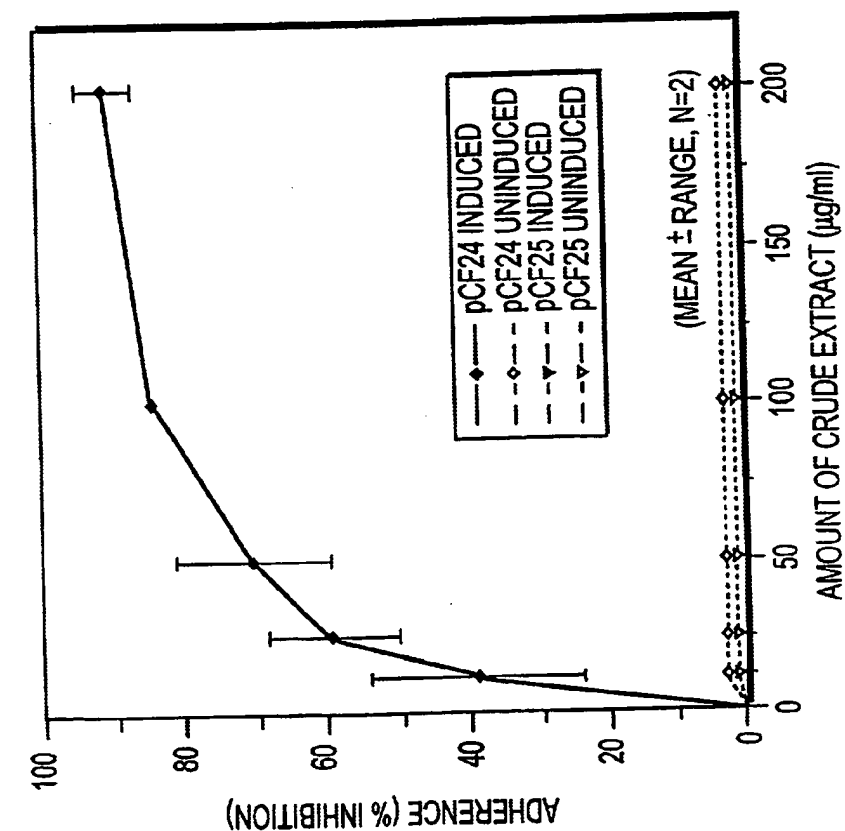


FIG. 6A

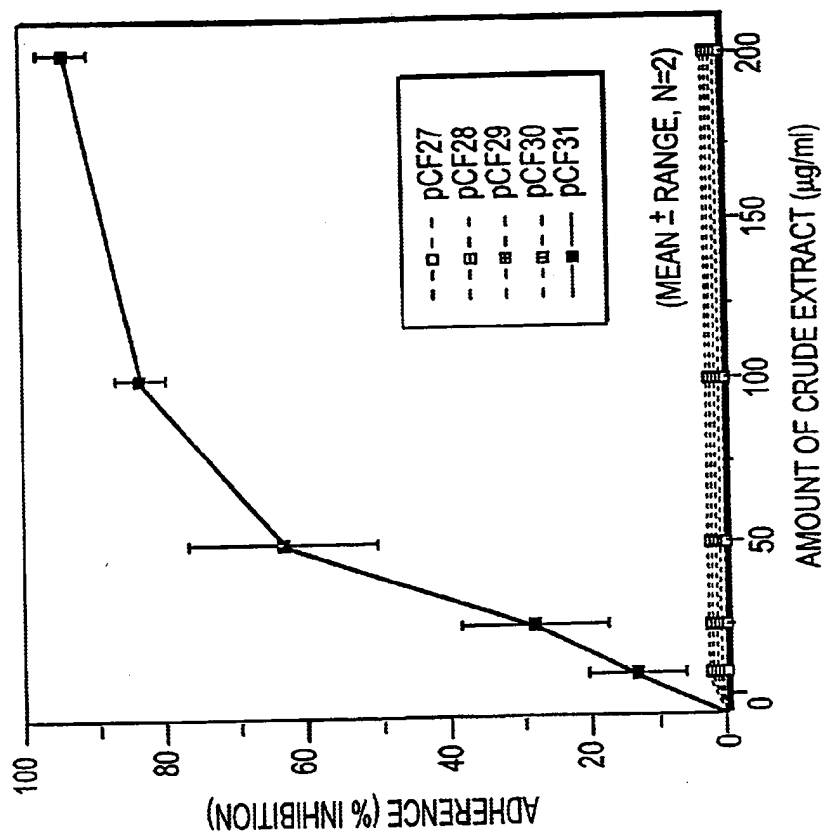


FIG. 6B

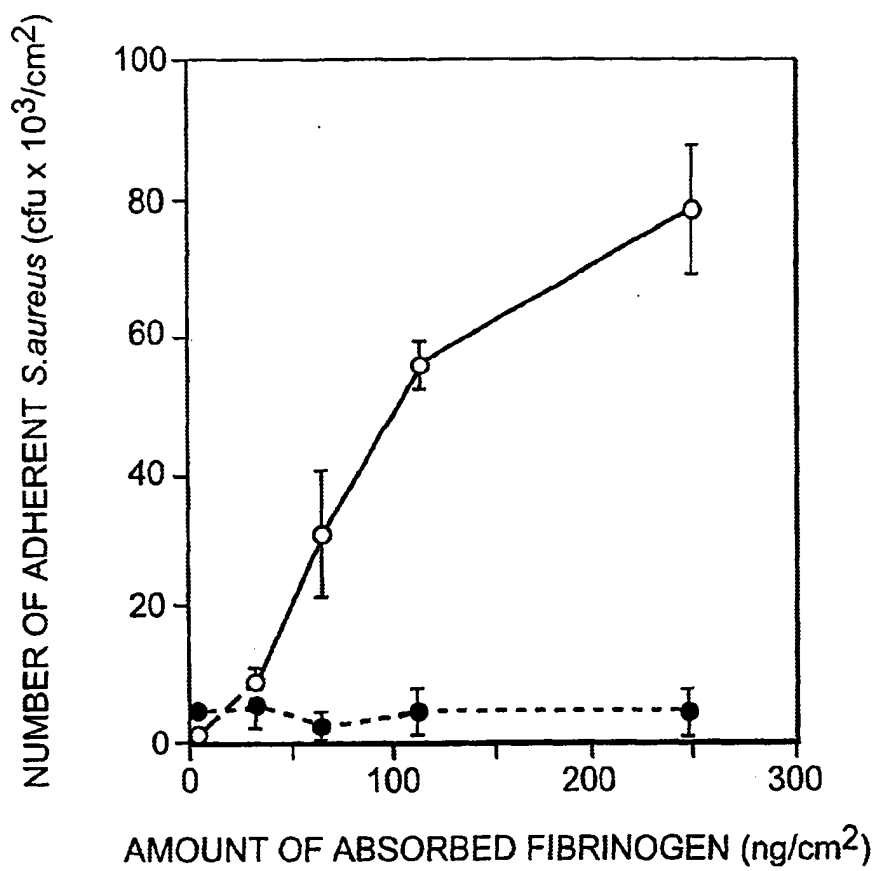


FIG. 7

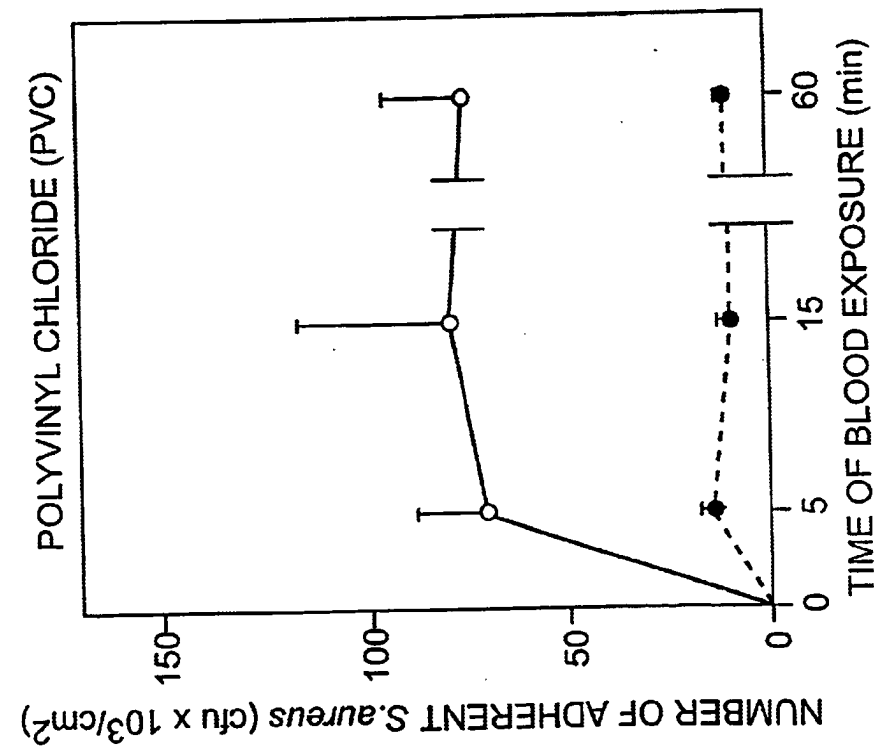


FIG. 8A

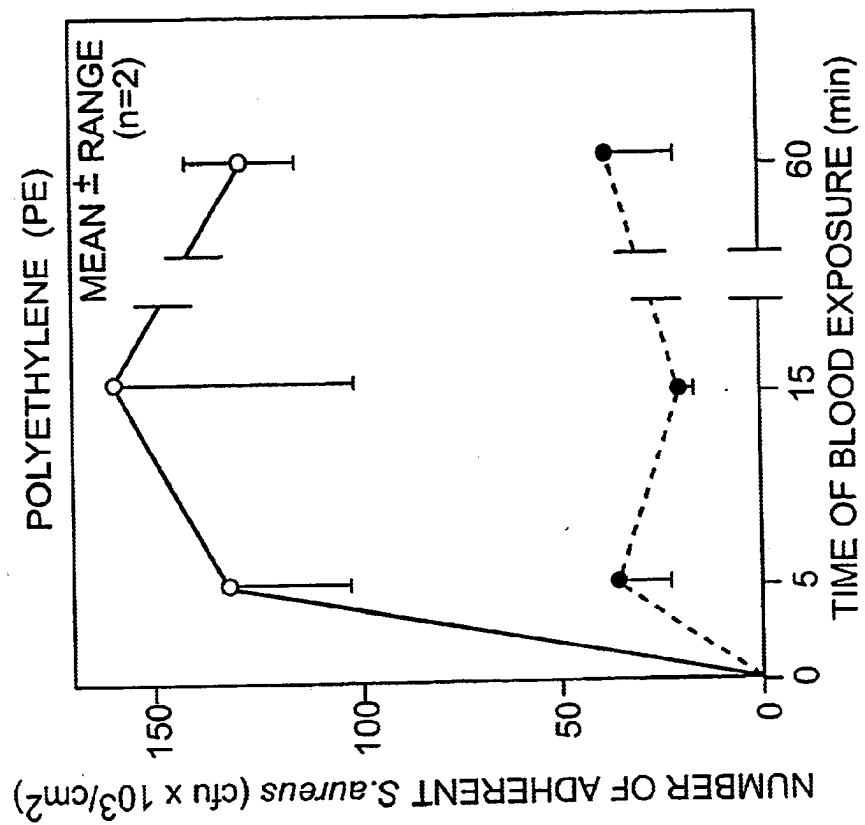


FIG. 8B

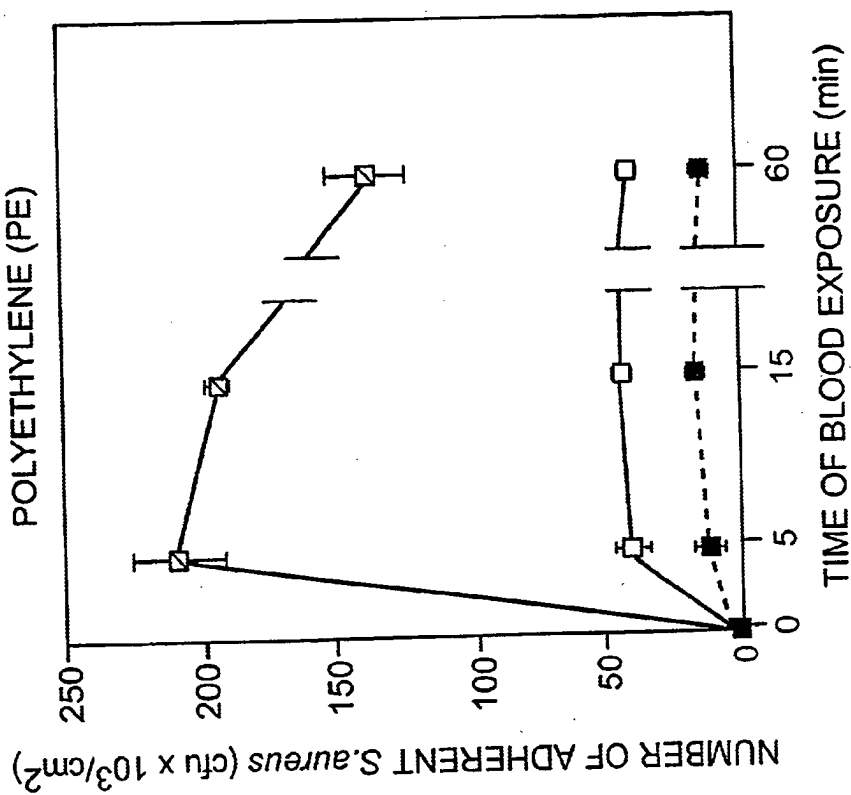


FIG. 9B

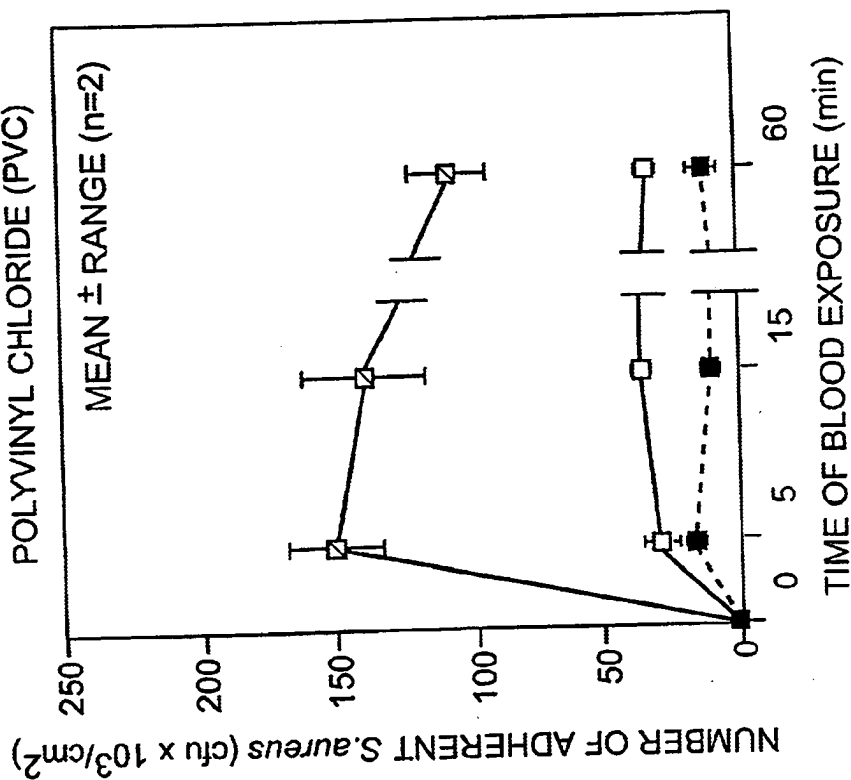


FIG. 9A